

SOIL LEGEND

Map symbols dominantly consist of two or three letters. For symbols consisting of three letters, the first two letters represent the soil and the third letter is the slope class. Symbols consisting of two letters are used for nearly level soils, miscellaneous areas, and map units named at categories above the series level.

SYMBOL	NAME
Ad	Alden mucky silt loam
At	Atherton silt loam
BfB	Bath channery silt loam, 3 to 8 percent slopes
BfC	Bath channery silt loam, 8 to 15 percent slopes
BfD	Bath channery silt loam, 15 to 25 percent slopes
BfE	Bath channery silt loam, 25 to 45 percent slopes
BhC	Bath and Lackawanna soils, 8 to 15 percent slopes, very stony
BhE	Bath and Lackawanna soils, 15 to 35 percent slopes, very stony
Cb	Canandaigua silt loam
Cc	Canandaigua mucky silt loam
Cd	Carbondale mucky peat
Ce	Carlisle muck
CfA	Castile channery silt loam, 0 to 3 percent slopes
CfB	Castile channery silt loam, 3 to 8 percent slopes
ChA	Chenango gravelly silt loam, 0 to 3 percent slopes
ChB	Chenango gravelly silt loam, 3 to 8 percent slopes
ChC	Chenango gravelly silt loam, 8 to 15 percent slopes
ChD	Chenango gravelly silt loam, 15 to 25 percent slopes
OE	Chenango, Howard, and Tunkhannock soils, 25 to 50 percent slopes
CnA	Chenango channery loam, fan, 0 to 3 percent slopes
CnB	Chenango channery loam, fan, 3 to 8 percent slopes
Cp	Chippewa and Norwich soils
Cr	Chippewa and Norwich soils, very stony
CsB	Conesus silt loam, 3 to 8 percent slopes
CsC	Conesus silt loam, 8 to 15 percent slopes
DaB	Danley and Nunda soils, 3 to 8 percent slopes
DaC	Danley and Nunda soils, 8 to 15 percent slopes
DaD	Danley and Nunda soils, 15 to 25 percent slopes
DeB	Darien and Burdett soils, 1 to 8 percent slopes
DeC	Darien and Burdett soils, 8 to 15 percent slopes
Ed	Edwards muck
FaB	Farmington silt loam, 0 to 8 percent slopes
FeB	Farmington-Rock outcrop complex, 0 to 8 percent slopes
FeC	Farmington-Rock outcrop complex, 8 to 15 percent slopes
FeD	Farmington-Rock outcrop complex, 15 to 35 percent slopes
FeF	Farmington-Rock outcrop complex, 35 to 60 percent slopes
Fg	Fluvaquents-Udifluvents complex, frequently flooded
Fo	Fonda mucky silt loam
GrB	Greene-Tuller complex, 1 to 8 percent slopes
Hb	Hamplainsilt loam
HdC	Hawksnest silt loam, 8 to 15 percent slopes
HeA	Herkimer gravelly silt loam, fan, 0 to 2 percent slopes
HeB	Herkimer gravelly silt loam, fan, 2 to 6 percent slopes
HnB	Honeoye silt loam, 3 to 8 percent slopes
HnC	Honeoye silt loam, 8 to 15 percent slopes
HnD	Honeoye silt loam, 15 to 25 percent slopes
HoE	Honeoye and Lansing soils, 25 to 50 percent slopes
HrB	Howard gravelly silt loam, 2 to 8 percent slopes
HrC	Howard gravelly silt loam, 8 to 15 percent slopes
HrD	Howard gravelly silt loam, 15 to 25 percent slopes
LaB	Lackawanna channery silt loam, 3 to 8 percent slopes
LaC	Lackawanna channery silt loam, 8 to 15 percent slopes
LaD	Lackawanna channery silt loam, 15 to 25 percent slopes
LaE	Lackawanna channery silt loam, 25 to 35 percent slopes
LeB	Lansing silt loam, 3 to 8 percent slopes
LeC	Lansing silt loam, 8 to 15 percent slopes
LeD	Lansing silt loam, 15 to 25 percent slopes
LfB	Lewbath channery silt loam, 3 to 8 percent slopes
LfC	Lewbath channery silt loam, 8 to 15 percent slopes
LfD	Lewbath channery silt loam, 15 to 25 percent slopes
LfE	Lewbath channery silt loam, 25 to 35 percent slopes
LhC	Lewbeach channery silt loam, 8 to 15 percent slopes
LkB	Lima gravelly silt loam, 3 to 8 percent slopes
LkC	Lima gravelly silt loam, 8 to 15 percent slopes
LoB	Lordstown-Arnot complex, 1 to 8 percent slopes, rocky
LpC	Lordstown-Chadakoin complex, 8 to 15 percent slopes
LpD	Lordstown-Chadakoin complex, 15 to 25 percent slopes
LrE	Lordstown, Chadakoin, and Manlius soils, 25 to 50 percent slopes, very rocky
Ly	Lyons silt loam
MaA	Manheim silt loam, 0 to 3 percent slopes
MaB	Manheim silt loam, 3 to 8 percent slopes
MaC	Manheim silt loam, 8 to 15 percent slopes
McB	Manlius channery silt loam, 3 to 8 percent slopes
McC	Manlius channery silt loam, 8 to 15 percent slopes
McD	Manlius channery silt loam, 15 to 25 percent slopes
MeB	Mardin channery silt loam, 3 to 8 percent slopes

SYMBOL	NAME
MeC	Mardin channery silt loam, 8 to 15 percent slopes
MeD	Mardin channery silt loam, 15 to 25 percent slopes
MmC	Mongaup-Franklinville complex, 8 to 15 percent slopes
MmD	Mongaup-Franklinville complex, 15 to 25 percent slopes
MnB	Mongaup-Hawksnest complex, 1 to 8 percent slopes, rocky
MnE	Mongaup-Hawksnest complex, 25 to 50 percent slopes, rocky
MoB	Morris channery silt loam, 2 to 8 percent slopes
MoC	Morris channery silt loam, 8 to 15 percent slopes
MpC	Morris and Volusia soils, 3 to 15 percent slopes, very stony
Np	Norchip channery silt loam
ObB	Onteora channery silt loam, 3 to 8 percent slopes
ObC	Onteora channery silt loam, 8 to 15 percent slopes
OeB	Ontusia channery silt loam, 2 to 8 percent slopes
OeC	Ontusia channery silt loam, 8 to 15 percent slopes
OgB	Oquaga-Arnot complex, 1 to 8 percent slopes, rocky
OgC	Oquaga-Arnot complex, 8 to 15 percent slopes, rocky
OgD	Oquaga-Arnot complex, 15 to 25 percent slopes, rocky
OgE	Oquaga-Arnot complex, 25 to 45 percent slopes, rocky
OpB	Oquaga and Lordstown soils, 1 to 8 percent slopes, very rocky
OpC	Oquaga and Lordstown soils, 8 to 15 percent slopes, very rocky
OpD	Oquaga and Lordstown soils, 15 to 25 percent slopes, very rocky
Ot	Otego silt loam
Pa	Palms muck
PdB	Patchin silt loam, 1 to 4 percent slopes
Pt	Pits, gravel and sand
Pu	Pits, quarry
Ra	Raynham silt loam
Re	Red Hook silt loam
RhA	Rhinebeck silty clay loam, 0 to 3 percent slopes
RhB	Rhinebeck silty clay loam, 3 to 8 percent slopes
RIA	Riverhead sandy loam, loamy substratum, 0 to 3 percent slopes
RIB	Riverhead sandy loam, loamy substratum, 3 to 8 percent slopes
Sa	Sapristis and Aquentis, inundated
SbB	Scio fine sandy loam, 1 to 6 percent slopes
ScA	Scio silt loam, 0 to 2 percent slopes
ScB	Scio silt loam, 2 to 6 percent slopes
ThB	Torull-Gretor complex, 1 to 6 percent slopes
TkB	Towerville silt loam, 3 to 8 percent slopes
TkC	Towerville silt loam, 8 to 15 percent slopes
TkD	Towerville silt loam, 15 to 25 percent slopes
TIB	Trestle-Deposit complex, 1 to 4 percent slopes
TpB	Tunkhannock gravelly loam, 3 to 8 percent slopes
TpC	Tunkhannock gravelly loam, 8 to 15 percent slopes
Ud	Udorhents, refuse substratum
Ue	Udorhents, smoothed
UnA	Unadilla silt loam, 0 to 2 percent slopes
UnB	Unadilla silt loam, 2 to 6 percent slopes
VaB	Valois gravelly loam, 3 to 8 percent slopes
VaC	Valois gravelly loam, 8 to 15 percent slopes
VaD	Valois gravelly loam, 15 to 25 percent slopes
VaE	Valois gravelly loam, 25 to 35 percent slopes
VaF	Valois gravelly loam, 35 to 55 percent slopes
VcB	Valois fine gravelly silt loam, 2 to 6 percent slopes
VIB	Vly channery silt loam, 1 to 8 percent slopes, rocky
VIC	Vly channery silt loam, 8 to 15 percent slopes, rocky
VID	Vly channery silt loam, 15 to 25 percent slopes, rocky
VIE	Vly channery silt loam, 25 to 45 percent slopes, rocky
VoA	Volusia silt loam, 0 to 3 percent slopes
VoB	Volusia silt loam, 3 to 8 percent slopes
VoC	Volusia silt loam, 8 to 15 percent slopes
W	Water
Wb	Wakeville silt loam
WeA	Wassaic silt loam, 0 to 3 percent slopes
WeB	Wassaic silt loam, 3 to 8 percent slopes
WeC	Wassaic silt loam, 8 to 15 percent slopes
WeD	Wassaic silt loam, 15 to 25 percent slopes
Wg	Wayland silt loam
WIB	Wellsboro channery silt loam, 3 to 8 percent slopes
WIC	Wellsboro channery silt loam, 8 to 15 percent slopes
WID	Wellsboro channery silt loam, 15 to 25 percent slopes
WmC	Wellsboro and Mardin soils, 3 to 15 percent slopes, very stony
WpB	Willdin channery silt loam, 3 to 8 percent slopes
WpC	Willdin channery silt loam, 8 to 15 percent slopes
WpD	Willdin channery silt loam, 15 to 25 percent slopes
Wsb	Willowemoc channery silt loam, 3 to 8 percent slopes
Wsc	Willowemoc channery silt loam, 8 to 15 percent slopes

CONVENTIONAL AND SPECIAL  
SYMBOLS LEGEND

CULTURAL FEATURES

BOUNDARIES

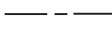
County or parish



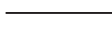
Minor civil division



Reservation (national forest or park,  
state forest or park)



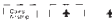
Limit of soil survey (label)  
and/or denied access area



Field sheet matchline & neatline



Small airport, airfield,



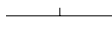
park, oilfield, cemetary,



or flood pool

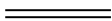


STATE COORDINATE TICK  
1 890 000 FEET



TRANSPORTATION

Divided roads



Other roads



Trail



ROAD EMBLEM & DESIGNATIONS

Interstate



Federal



State



Other



RAILROAD



DAMS

Medium or Small



STREAMS

Perennial, double line



Perennial, single line

Label only

Intermittent

Label only

Drainage end

Label only

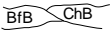
MISCELLANEOUS WATER FEATURES

Spring



SPECIAL SYMBOLS FOR SOIL  
SURVEY AND SSURGO

SOIL DELINEATIONS AND SYMBOLS



LANDFORM FEATURES

Clay spot



Depression, closed



Gravel pit



Gravelly spot



Kettle hole



Landfill



Marsh or swamp



Mine or quarry



Rock outcrop (includes sandstone and shale)



Sandy spot



Silt spot



Stony spot



Very stony spot



Wet spot

